

Approved for  
Factor 29x

-- ABSTRACT OF THE DISCLOSURE

A data bus arrangement for a plurality of nodes connected to each other including a logical decision gate having a plurality of inputs corresponding to the number of nodes. A converter module is connected between each node and the logical decision gate. Each convertor module converts an optical output from one of the nodes to an electrical signal which is fed to one of the inputs of the logical decision gate. A separate switch is connected between an output of the logical decision gate and an input of each one of said convertor modules for controlling the convertor module independent of an output signal on the output of the decision gate.--